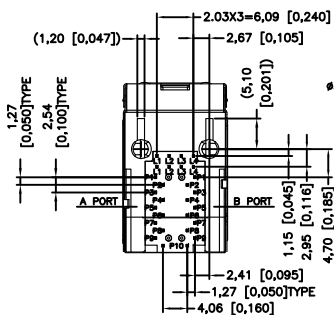
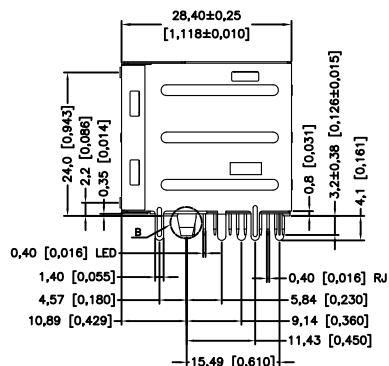
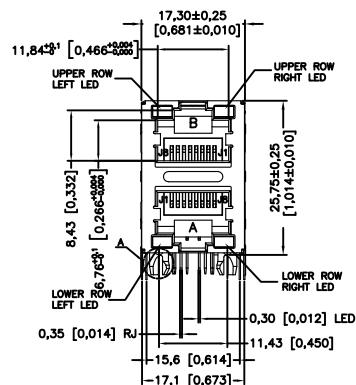
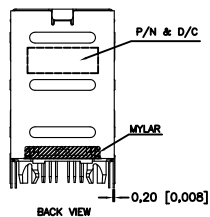
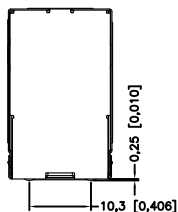
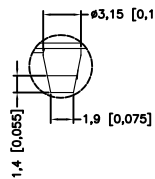


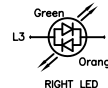
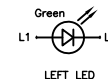
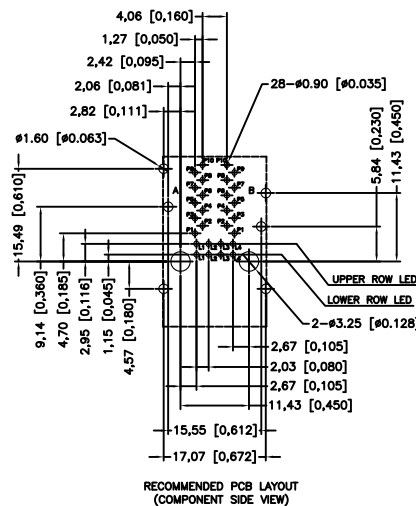
Detail A



Detail B

SPECIFICATIONS :

- MATERIAL**
 - HOUSING : THERMOPLASTIC, UL 94V-0, BLACK
 - MODULE CASE : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK
 - INSERT & COVER & SPACER : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK
 - RJ CONTACTS : PHOSPHOR BRONZE
 - PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 100U" MIN TIN PLATING ON SOLDER TAILS, 30U" MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS
 - PLATING : 100U" TIN MIN OVER 30U" MIN NICKEL OVERALL
 - SHIELD : STAINLESS, THICKNESS=0.2MM, PRE-SOLDERING
- RJ45 SPECIFICATIONS**
 - INSULATION RESISTANCE : 500 MOHMS MIN
 - INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
 - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
 - DURABILITY :750 CYCLES
- OPERATING AND STORAGE TEMPERATURE**
 - OPERATING TEMPERATURE : 0°C TO +70°C
 - STORAGE TEMPERATURE : -40°C TO +85°C



Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Orange	610	1.7V~2.6V	10μA max.



Champyang International Ltd., Co

FILE NO : ARJ12 (Series)

TITLE
圖 名

RJ45 Connector With Transformer
1000Base Tab-up 2x1 Port with LED

UNIT
單位

mm
inch

TOLERANCE(公差):

0.000 mm ± 0.10 mm
0.00 mm ± 0.20 mm
0.0 mm ± 0.38 mm

PART NO.
料 號

ARJ12-020810-531-SOLBT2

SCALE
比例

1 : 1

DRAWN BY
製 圖

Ben

DATE
日期

2019-05-13

REV.
版本

A.0

CHECKED BY
審 核

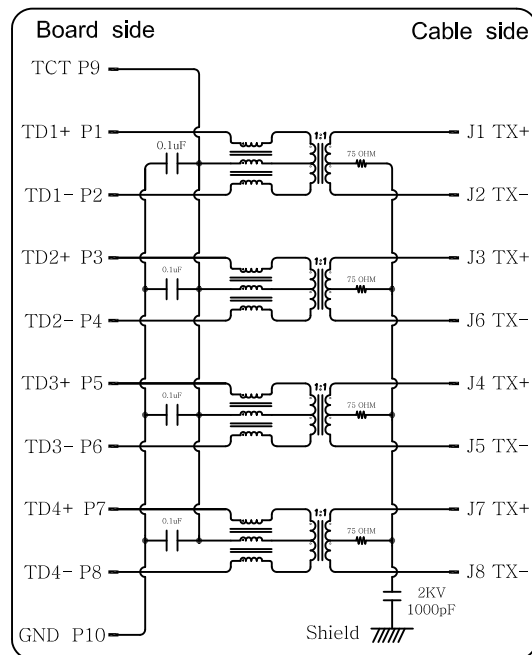
Allen

DATE
日期

2019-05-13



SCHEMATIC FOR RJ45:



ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
- 1~100 MHz -1.0dB MAX.
2. RETURN LOSS(LOAD 100Ω) :
- 1~30 MHz -18dB MIN
- 30~60 MHz -16dB MIN
- 60~80 MHz -12dB MIN
- 80~100 MHz -10dB MIN
3. COMMON MODE REJECTION
- 1~100 MHz -30dB MIN
4. CROSS TALK
- 1~100 MHz -30dB MIN
5. OCL @ 100KHz, 0.1V, 8mA DC BIAS
- (P1-P2),(P3-P4),(P5-P6),(P7-P8) : 350 uH MIN
6. DCR
- (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2Ω MAX
7. HI-POT TEST
- PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
- (P1-P2) : (J1-J2) = 1:1 ±%5
- (P3-P4) : (J3-J6) = 1:1 ±%5
- (P5-P6) : (J4-J5) = 1:1 ±%5
- (P7-P8) : (J7-J8) = 1:1 ±%5



Champyang International Ltd., Co

A0			
REV	RELEASED	Allen	2019-05-13
	DESCRIPTION.	APPD.	Date

FILE NO : ARJ12(Series)		TITLE 圖 名		RJ45 Connector With Transformer 1000Base Tab-up 2x1 Port With LED		UNIT 單位	mm inch
TOLERANCE(公差): 0.000 mm ± 0.10 mm 0.00 mm ± 0.20 mm 0.0 mm ± 0.38 mm		PART NO. 料 號		ARJ12-020810-531-S0LBT2		SCALE 比例	1:1
		DRAWN BY 製 圖		Ben	DATE 日期	2019-05-13	REV. 版本
		CHECKED BY 審 核		Allen	DATE 日期	2019-05-13	A.0

A

B

C

D

Page: 2 of 2